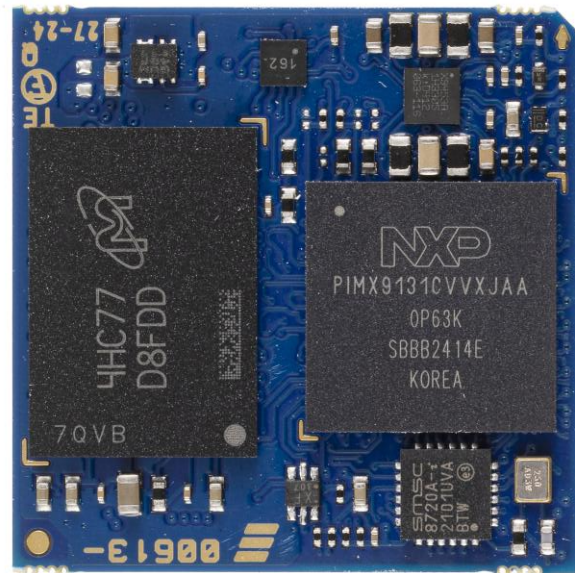


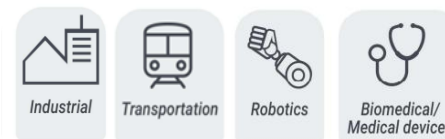
Engicam presents MicroGEA MX91 based on new NXP® i.MX 91. This module is equipped with an Arm® Cortex®-A55 @ up to 1.4 GHz processor, which includes industrial features and temperature grade, a wide set of peripherals, scalable on board eMMC and DRAM, connectivity, and security options.



HIGHLIGHTS

- Extreme compact form factor
- Easy-to-use single power supply
- Ethernet PHY on board
- Suitable for optimized industrial applications

APPLICATIONS



FEATURES



	CPU	NXP i.MX91		MASS STORAGE	Starting from 4GB eMMC drive soldered on-board
	CORES	Arm Cortex-A55		PERIPHERAL INTERFACES	UART, SM Bus, I ² C, SPI, GPIOs, CAN
	MEMORY	Starting from 1 GB LPDDR4		POWER SUPPLY	+3,3V DC
	GRAPHICS	Parallel RGB		OPERATING SYSTEM	• Linux • Yocto
	VIDEO INTERFACES	1x Parallel up-to 24-bit RGB (DBI/DPI)		OPERATING TEMPERATURE*	Industrial qualified
	USB	2x USB HOST 2.0		DIMENSIONS	25 x 25 mm
	AUDIO	I2S interface	* Valid for all components except CPU. Customer shall consider junction temperature for CPU. Temperature will widely depend on application. Specific cooling solutions could be necessary for the final system.		
	NETWORKING	• 1x 10/100 Ethernet interfaces			

BLOCK DIAGRAM

